

# **IN THE CLAIMS**

This listing of claims will replace all prior versions, and listings of claims in the application. Please cancel claims 61-62 and 76-78 without prejudice to or disclaimer of the subject matter therein. Changes to the claims are shown with additions underlined and deletions in ~~strikeout~~. No new matter has been added.

Claims 1-59 (Canceled).

Claim 60 (Currently amended) An apparatus, comprising:

a force feedback member including a jointed hinge member having at least a first portion and a second portion, at least one of the first portion and the second portion configured to output a force associated with a position signal;

a first sensor configured to output ~~a~~the position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output force feedback based on the position signal; and

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member.

Claims 61-62 (Canceled)

Claim 63 (Currently amended) ~~The~~An apparatus of ~~claim 62, further~~ comprising:

a force feedback member including a force applying platform, the force applying platform being configured to output a force associated with a force feedback;

a first sensor configured to output a position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output the force feedback based on the position signal;

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member; and

a force feedback interface, the force applying platform being biased away from the force feedback interface by a biasing member.

Claim 64 (Currently amended) ~~The~~ An apparatus of claim 62, ~~the second sensor further comprising:~~

a force feedback member including a force applying platform, the force applying platform being configured to output a force associated with a force feedback;

a first sensor configured to output a position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output the force feedback based on the position signal; and

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member, the second sensor including a force sensing platform, the force sensing platform being configured to determine a magnitude of the force applied by the force applying platform.

Claim 65 (Previously presented) The apparatus of claim 60, wherein the force feedback is applied at least in part by a fluid.

Claim 66 (Previously presented) The apparatus of claim 60, wherein:

the force feedback is a simulated texture; and

the force feedback member further includes a force applying platform, the force applying platform including at least one texture-simulating element configured to simulate texture associated with the force feedback.

Claim 67 (Currently amended) ~~The~~ An apparatus, comprising: of claim 66, wherein said texture-simulating element is a pin

a force feedback member including a force applying platform, the force applying platform including at least one pin configured to simulate texture associated with a force feedback;

a first sensor configured to output a position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output a simulated texture based on the position signal; and

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member.

Claim 68 (Previously presented) The apparatus of claim 67, wherein the pin is configured to selectively extend and retract from a force feedback application portion of the force applying platform.

Claim 69 (Currently amended) ~~The~~ An apparatus, comprising: of claim 66, wherein said texture simulating element is a fluid stream.

a force feedback member including a force applying platform, the force applying platform including at least one pin configured to simulate texture associated with a force feedback;

a first sensor configured to output a position signal, the position signal being associated with a position of the force feedback member;

an actuator, the actuator and the force feedback member collectively being configured to output a simulated texture based on the position signal; and

a second sensor configured to measure the force feedback output collectively by the actuator and the force feedback member.

Claim 70 (Previously presented) The apparatus of claim 60, wherein the force feedback member further includes:

an elongated element; and

at least one guide element coupled to the elongated element, the elongated element being configured to output force feedback based on a force feedback signal.

Claim 71 (Previously presented) The apparatus of claim 70, wherein the elongated element is a tendon.

Claim 72 (Previously presented) The apparatus of claim 70, wherein the elongated element is a tubular member carrying a fluid.

Claim 73 (Currently amended) A method, comprising:

outputting a position signal associated with a position of a force feedback interface;

receiving a force feedback signal associated with the position signal;

outputting force feedback via the force feedback interface with at least one of a plurality of force feedback members, the outputting the force feedback being based on the force feedback signal; and

determining a magnitude of force feedback output at the force feedback interface;

and

moving a force applying platform from a first position that is removed from the force feedback interface to a second position that is located at the force feedback interface, force feedback being output in response to the moving.

Claim 74 (Previously presented) The method of claim 73, further comprising:

outputting a texture feedback via the force feedback interface of at least one of the plurality of force feedback members based on the force feedback signal.

Claim 75 (Currently amended) ~~The A method of claim 74, further comprising:~~

outputting a position signal associated with a position of a force feedback  
interface;

receiving a force feedback signal associated with the position signal;

outputting force feedback via the force feedback interface with at least one of a  
plurality of force feedback members, the outputting the force feedback being based on the  
force feedback signal;

determining a magnitude of force feedback output at the force feedback interface;

outputting a texture feedback via the force feedback interface of at least one of the  
plurality of force feedback members based on the force feedback signal; and

moving a pin from a first position ~~which~~that is removed from the force feedback  
interface to a second position disposed adjacent to the force feedback interface.

Claim 76-78 (Canceled)